

Claims

1. Conveyor device having a filling device (7) for vertical flow of material, without demixing, of powdered media having different particle sizes and particle densities, having the following features:
- a supply container (8) having a lower opening (9) to which the filling device (7) can be coupled;
 - an inlet hopper (1) having an upper inlet opening (10) and a lower outlet opening (11) of a guide tube (12), the inlet opening (10) being couplable to the lower opening (9) of the supply container (8);
 - telescopic elements (13), which are arranged on the guide tube (12), and an outlet hopper (3) having an outlet flap (4).
2. Conveyor device according to claim 1, characterized in that the supply container is constructed so as to be closable.
3. Conveyor device according to claim 1 or 2, characterized by a flap as closure of the supply container.
4. Conveyor device according to claim 3, characterized by a pivot axis for the flap.
5. Conveyor device according to at least one of the preceding claims, characterized in that the internal diameters and external diameters of the telescopic elements (13) are so matched to one another that they have a sliding fit.

6. Conveyor device according to at least one of the preceding claims, characterized in that the telescopic elements (13) and the outlet hopper (3) each have on their inner surfaces (14) in the region of their upper edges (17) at least one sealing ring (16), which is arranged in an annular recess in the respective inner wall (14).

7. Conveyor device according to at least one of claims 1 to 5, characterized in that the guide tube (12) and the telescopic elements (13) each have in the region of their lower edges (18) at least one sealing ring (16), which is arranged in an annular recess in the respective outer walls (15).

8. Conveyor device according to at least one of the preceding claims, characterized in that the guide tube (12) and the telescopic elements (13) each have in the region of their lower edges (18) at least one sealing ring (16), which is arranged in an annular recess in the respective outer walls (15), and the telescopic elements (13) and the outlet hopper (3) each have on their inner surfaces (14) in the region of their upper edges (17) at least one sealing ring (16), which is arranged in an annular recess in the respective inner wall (14).

9. Conveyor device according to at least one of the preceding claims, characterized in that by means of a handle (5), which is arranged on the outer surface (15) of the outlet hopper (3), the telescopic elements (13) can be pulled out of one another and pushed one inside the other.

10. Conveyor device according to at least one of the preceding claims, characterized in that the outlet hopper

(3) has, in its lower region, a mouthpiece (20) which can be docked to a feed shoe (23) of a tablet press and has a rubber-elastic tubular casing (21).

5 11. Conveyor device according to at least one of the preceding claims, characterized in that the outlet flap (4) is pivotable about an axis (22) inside the outlet hopper (3) and is displaceable by means of an operating element arranged outside the outlet hopper (3).

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12. Conveyor device according to at least one of the preceding claims, characterized in that the outlet flap (4) is closed when the telescopic elements (13) are in the contracted position and while the telescopic elements (13) are being extended, and when the telescopic elements (13) are in the extended position the outlet flap (4) is open when the mouthpiece (20) of the outlet hopper (3) has been docked to a feed shoe (23).

20 13. Filling device especially for a conveyor device in accordance with at least one of the preceding claims, the filling device (7) having the following features:

- an inlet hopper (1) having an upper inlet opening (10) and a lower outlet opening (11) of a guide tube (12), the inlet opening (10) being couplable to a lower opening (9) of a supply container (8);
- telescopic elements (13), which are arranged on the guide tube (12) and carry an outlet hopper (3) having an outlet flap (4).

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14. Use of the conveyor device (6) according to at least one of claims 1 to 12 or of the filling device (7) according to at least one of claims 1 to 13 for vertical flow of

material, without demixing, of powdered media having different particle sizes and different particle densities, especially for filling tabletting machines, wherein the powdered press mass to be tabletted having different
5 particle sizes and different particle densities is guided vertically, without demixing, from a supply container (8), which is arranged above a tablet press, with the telescopic elements (13) being extended and the outlet flap (4) being closed, into a feed shoe (23) of the tablet press, with the
10 outlet flap (4) being opened.